

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE		PAGE OF PAGES	
2. AMENDMENT/MODIFICATION NO.		3. EFFECTIVE DATE		4. REQUISITION/PURCHASE REQ. NO.		5. PROJECT NO. (If applicable)	
6. ISSUED BY		CODE		7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)				(X)		9A. AMENDMENT OF SOLICITATION NO.	
						9B. DATED (SEE ITEM 11)	
						10A. MODIFICATION OF CONTRACT/ORDER NO.	
						10B. DATED (SEE ITEM 11)	
CODE		FACILITY CODE					

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

- ☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended.
- Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
- (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment your desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

**13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
_____ (Signature of person authorized to sign)		_____ (Signature of Contracting Officer)	

1. The specifications and drawings for Invitation No. DACW64-03-B-0025, Storm Damage Reduction, Environmental Restoration, and Dredging, North Padre Island, Corpus Christi, Texas, advertised 20 May 2003, , and for which bids are to be opened on 2 July 2003, are hereby modified as follows:

Specifications.

(1) COVER. - The enclosed Cover supersedes that issued with this Invitation. Also, all references to this Project shall reflect the following Title: "Corpus Christi, Texas, North Padre Island, Storm Damage Reduction, Environmental Restoration, and Dredging."

(2) BID SCHEDULE. Pages 00010-1 Through 00010-5. - The enclosed new Bid Schedule, Pages 00010-1 through 00010-7 supersedes that issued with this Invitation.

(3) SECTION 02484 ENDANGERED SPECIES MONITORING. - The enclosed new SECTION 02484 entitled ENDANGERED SPECIES MONITORING shall be attached to and become part of this Invitation.

2. This amendment shall be attached to and become a part of the specifications.

3 Encls

1. Cover
2. Bid Sched, Pgs 00010-1 thru 00010-5
3. Section 02484

INVITATION NO. DACW64-03-B-0025

**CORPUS CHRISTI, TEXAS
NORTH PADRE ISLAND**

PROJECT MANUAL

FOR

**STORM DAMAGE REDUCTION, ENVIRONMENTAL
RESTORATION, AND DREDGING**

MAY 2003



**DEPARTMENT OF THE ARMY
GALVESTON DISTRICT, CORPS OF ENGINEERS
P.O. BOX 1229
GALVESTON, TEXAS**

(To Accompany Amendment No. 0002 to Invitation No. DACW64-03-B-0025)

**CORPUS CHRISTI, TEXAS,
NORTH PADRE ISLAND, STORM
DAMAGE REDUCTION,
ENVIRONMENTAL RESTORATION
PROJECT, AND DREDGING**

**BIDDING SCHEDULE
(TO BE ATTACHED TO STANDARD FORM 1442)**

Item No.	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
<u>SCHEDULE NO. 1</u>					
0001	Environmental Protection	1	L.S.	\$_____	\$_____
0002	Demolition and Removal	1	L.S.	\$_____	\$_____
0003	Utility Casing Installation	1156	L.F.	\$_____	\$_____
0004	Sand Bypassing Casing Installation	840	L.F.	\$_____	\$_____
0005	Clearing, Grubbing, and Removal of Debris and Vegetation	1	L.S.	\$_____	\$_____
0006	Required Excavation for PA1	40,800	C.Y.	\$_____	\$_____
0007	Mechanically-Constructed Exterior Levees	1	L.S.	\$_____	\$_____
0008	Mechanically-Constructed Interior Levees	1	L.S.	\$_____	\$_____
0009	Compacted Fill for PA2	59,300	C.Y.	\$_____	\$_____
0010	Compacted Fill for PA3	26,200	C.Y.	\$_____	\$_____
0011	Dune Construction	5,700	C.Y.	\$_____	\$_____

00010-1

(To Accompany Amendment No. 0002 to Invitation No. DACW64-03-B-0025)

INVITATION NO. DACW64-03-B-0025**BIDDING SCHEDULE (CONT'D)
(TO BE ATTACHED TO STANDARD FORM 1442)**

Item No.	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
<u>SCHEDULE NO. 1 (CONT'D)</u>					
0012	Hydraulically-Constructed Levees	4,360	L.F.	\$_____	\$_____
0013	Final Grading for PA1	1	L.S.	\$_____	\$_____
0014	Beach Fill for PA4	1	L.S.	\$_____	\$_____
0015	Disposal of Unsatisfactory Material	70	C.Y.	\$_____	\$_____
0016	Bedding	70	C.Y.	\$_____	\$_____
0017	Woven Geotextiles for Bridge Scour Protection	9,800	S.Y.	\$_____	\$_____
0018	CCM-Type A	5,940	L.F.	\$_____	\$_____
0019	CCM -Type C	420	L.F.	\$_____	\$_____
0020	CCM -Type D	750	L.F.	\$_____	\$_____
0021	CCM -Type B1	2,025	L.F.	\$_____	\$_____
0022	CCM -Type B2	230	L.F.	\$_____	\$_____
0023	CCM -Type B3	450	L.F.	\$_____	\$_____
0024	Cover Stone	57,500	TON	\$_____	\$_____
0025	1 to 3 Ton Stone	17,100	TON	\$_____	\$_____

00010-2

(To Accompany Amendment No. 0002 to Invitation No. DACW64-03-B-0025)

INVITATION NO. DACW64-03-B-0025**BIDDING SCHEDULE (CONT'D)
(TO BE ATTACHED TO STANDARD FORM 1442)**

Item No.	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
<u>SCHEDULE NO. 1 (CONT'D)</u>					
0026	Core Stone	27,800	TON	\$_____	\$_____
0027	Blanket Stone	42,500	TON	\$_____	\$_____
0028	Filler Stone	9,500	TON	\$_____	\$_____
0029	Bridge Scour Protection- Riprap 1	3,150	TON	\$_____	\$_____
0030	Bridge Scour Protection- Riprap 2	12,750	TON	\$_____	\$_____
0031	Removal and Disposal of Existing Riprap	1	L.S.	\$_____	\$_____
0032	Mobilization and Demobilization	1	L.S.	\$_____	\$_____
0033	Dredging - Hydraulic, Reach 1	729,700	C.Y.	\$_____	\$_____
0034	Dredging - Hydraulic, Reach 2	125,200	C.Y.	\$_____	\$_____
0035	Dredging, Mechanical, Water	15,900	C.Y.	\$_____	\$_____
0036	Dredging, Mechanical, Land	99.300	C.Y.	\$_____	\$_____
0037	Pipelines, Reach 1	1	L.S.	\$_____	\$_____
0038	Pipelines, Reach 2	1	L.S.	\$_____	\$_____

00010-3

(To Accompany Amendment No. 0002 to Invitation No. DACW64-03-B-0025)

INVITATION NO. DACW64-03-B-0025

**BIDDING SCHEDULE (CONT'D)
(TO BE ATTACHED TO STANDARD FORM 1442)**

Item No.	Description	Estimated Quantity	Unit	Unit Price	Estimated Amount
-------------	-------------	-----------------------	------	---------------	---------------------

SCHEDULE NO. 1 (CONT'D)

0039	Storm Drainage System Installation	904	L.F.	\$_____	\$_____
0040	Outfall Structure	1	L.S.	\$_____	\$_____
0041	Mulching	20.1	ACRE	\$_____	\$_____
0042	Fertilization	20.1	ACRE	\$_____	\$_____
0043	Planting	8.1	ACRE	\$_____	\$_____
0044	Jetty Walkway	4,508	L.F.	\$_____	\$_____
0045	Tremie Placed Concrete	1	L.S.	\$_____	\$_____
0046	Handrails	4,744	L.F.	\$_____	\$_____
0047	Endangered Species Monitoring	1	L.S.	\$_____	\$_____
TOTAL SCHEDULE NO. 1					\$_____

00010-4

(To Accompany Amendment No. 0002 to Invitation No. DACW64-03-B-0025)

**BIDDING SCHEDULE (Cont'd)
(TO BE ATTACHED TO STANDARD FORM 1442)**

1. ARITHMETIC DISCREPANCIES (JAN 1997) (EFARS 52.214-5000).

(a) For the purpose of initial evaluation of bids, the following will be utilized in resolving arithmetic discrepancies found on the face of bidding schedule as submitted by the bidder:

- (1) Obviously misplaced decimal points will be corrected;
- (2) Discrepancy between unit price and extended price, the unit price will govern;
- (3) Apparent errors in extension of unit prices will be corrected;
- (4) Apparent errors in addition of lump-sum and extended prices will be corrected.

(b) For the purpose of bid evaluation, the Government will proceed on the assumption that the bidder intends his bid to be evaluated on the basis of the unit prices, the totals arrived at by resolution of arithmetic discrepancies as provided above and the bid will be so reflected on the abstract of bids.

(c) These correction procedures shall not be used to resolve any ambiguity concerning which bid is low.

2. MODIFICATIONS (CESWG). If a modification to a bid based on unit prices is submitted, which provides for a lump sum adjustment to the total estimated cost, the application of the lump sum adjustment of each unit price in the bid schedule must be stated. If it is not stated, the bidder agrees that the lump sum adjustment shall be applied on a pro rata basis to every unit price in the bid schedule.

3. SALES TAX EXEMPTION. If you intend seeking a sales tax exemption on this contract please contact the Comptroller of Public Accounts at 1 800-252-5555.

SECTION TABLE OF CONTENTS**SITE WORK****SECTION 02484 - ENDANGERED SPECIES MONITORING**

PARAGRAPH	TITLE	PAGE NOS.
PART 1 - GENERAL		
1.1	PAYMENT.	02484-01
PART 2 - PRODUCTS (Not Applicable)		
PART 3 - EXECUTION		
3.1	ENDANGERED SPECIES MONITORING.	02484-01
3.2	SEA TURTLES	02484-01
3.3	PIPING PLOVERS.	02484-03

SECTION 02484 - ENDANGERED SPECIES MONITORING

PART 1 - GENERAL

1.1 PAYMENT.

1.1.1 Endangered Species Monitoring. Payment for endangered species monitoring and the costs associated with it, as specified herein shall be included in the contract lump sum price for "Endangered Species Monitoring."

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 ENDANGERED SPECIES MONITORING. To qualify for an incidental take of threatened or endangered species, as described in a U. S. Fish and Wildlife Service (USFWS) Biological Opinion and to be exempt from the prohibitions of Section 9 of the Endangered Species Act, the Contractor shall comply with the following terms and conditions for reporting and monitoring requirements. These requirements are non-discretionary.

3.1.1 Sea Turtle Species and Piping Plover. The Contractor shall coordinate all activities with the U. S. Army Corps of Engineers (USACE) and USFWS at (361) 994-9005 on the timing of the surveys, turtle patrols, and methodology for selecting areas to be surveyed. Based on collected data or new information, the USFWS may decide to end or modify the piping plover or sea turtle monitoring program. Monitors hired by the Contractor for conducting sea turtle and piping plover surveys shall be approved by the USFWS.

3.2 SEA TURTLES.

3.2.1 Training. Contractor personnel, USACE inspectors, City Representatives, and monitors hired by the Contractor for sea turtle monitoring shall receive training to recognize and avoid impacts to sea turtles and to understand the reporting and monitoring requirements. The training will be given by Dr. Donna Shaver, USGS Sea Turtle Coordinator, prior to beginning work on this project. The Contractor shall notify Dr. Shaver at (361) 949-8173, Ext 226 at least 14 calendar days prior to commencing work to allow time to set up the training course. The training is expected to take 1 to 2 days to complete. Examples of topics to be discussed during training may include, but not be limited to:

- (1) Identification of tracks, notification methodology, marking tracks or nest area located during a survey if monitors are unable to stay onsite until an official recovery crew arrives, and escorting large

trucks crossing the beach during the sea turtle nesting season from March 15 through September 15.

- (2) Enforcement of speed limits.
- (3) Retain a backhoe or tractor onsite during the nesting season to smooth and level ruts, as necessary, at the end of the work day. A turtle monitor shall supervise this activity.
- (4) During peak Kemp's Ridley nesting season of May, June, and July large vehicles shall not be permitted to drive on the beach before a turtle monitor patrols the beach for turtle tracks and nests and clears it for travel.
- (5) When, and if appropriate, work crews shall utilize a shuttle service provided by an escort vehicle to limit beach traffic.
- (6) Large vehicles shall not be permitted to travel down the beach at night during the sea turtle nesting season to minimize impacts and protect the green and loggerhead sea turtles which are nocturnal nesters.

3.2.2 Methodology. A methodology shall be coordinated with the USFWS and Dr. Shaver at the Padre Island National Seashore for notification of sea turtle sightings, nesting, and relocation of the eggs during the initial training period.

3.2.3 Daily Surveys. If the construction phase, including inlet dredging and disposal on the beach, is conducted during the sea turtle nesting season from March 15 through September 15, surveys for nesting sea turtles shall be conducted daily prior to construction activities each morning until this project is complete or sea turtle nesting season has ended.

3.2.4 Sea Turtle Nesting Surveys shall only be conducted by personnel who have completed training in nest survey procedures. Nest surveys shall be conducted daily between sunrise and start of construction activities. Construction activities shall not begin at any beach location prior to completion of sea turtle nest surveys and other protection measures.

3.2.4.1 Sea turtles and sea turtle eggs can only be moved by Dr. Shaver or her representative or by a person having a 10(a) permit from U. S. Fish and Wildlife.

3.2.4.2 If the Contractor hires a consulting firm to administer the endangered species monitoring, it will be the consulting firm's responsibility to obtain the 10(a) permit or agree with Dr. Shaver to refrain from handling the turtles or turtle eggs.

3.2.5 Staging Areas for construction equipment shall be coordinated with the USFWS prior to construction to avoid and minimize sea turtle impacts during the nesting season of March 15 through September 15 each year. Restrictions may include the following:

- (1) Equipment and construction pipes shall be located off the beach or as far landward as possible without compromising the integrity of the existing dune system, to the maximum extent practicable.
- (2) Placement of the pipes perpendicular to the shoreline is recommended as the method of storage.

3.2.6 Lighting shall be limited to the immediate area of active construction and shall be the minimal lighting necessary to comply with safety requirements. Additional considerations include the following:

- (1) Shielded low pressure sodium vapor lights are recommended to minimize illumination of the nesting beach, jetties, and near-shore waters.
- (2) Lighting on offshore equipment shall be minimized through reduction, shielding, lowering, and appropriate placement of lights to avoid excessive illumination of the water while meeting U. S. Coast Guard and Occupational Safety and Health Administration requirements.

3.2.7 Notification. If a dead, injured, or sick sea turtle or an undetected nest is located in the area, the sea turtle monitors shall notify the Corpus Christi USFWS Field Office at (361) 994-9005, Dr. Shaver, USGS Sea Turtle Coordinator at (361) 949-8173, Ext. 226, and the USACE Project Inspector at (361) 884-3385. Specific procedures for notifying officials of the discovery and methodology for handling dead or stranded sea turtles during the monitoring program will be established during the initial training period. The methodology shall include determining the cause of death, if possible, and ensuring that all data are recorded. The person finding the turtle shall be responsible for ensuring the area around the turtle is not disturbed until recovery officials arrive on the scene.

3.3 PIPING PLOVERS.

3.3.1 Training. Contractor personnel, USACE inspectors, and City Representatives shall receive training to recognize and avoid impacts to piping plover and understand the reporting and monitoring requirements. The training will be given by USFWS personnel prior to beginning work on this project. The Contractor shall notify USFWS at (361) 994-9005 at least 14 calendar days prior to commencing work to allow time to set up the training. The plover monitors are expected to be bird experts knowledgeable in the monitoring requirements and will need minimal instruction from the USFWS. Training for the monitors shall consist mostly of establishing the survey limits, times of the day for surveying, data to be collected, and reporting requirements.

3.3.2 Monitoring of the presence and movements of this threatened species is important to compare plover use of habitats with varying degrees of manipulation and to observe trends in how this species responds to impacts associated with the project. Monitoring shall be limited to those areas with the primary constituent elements necessary for piping plover survival within about 500 to 1,000 feet of construction activities. These areas include accreting areas at inlets, beaches, bayside sand and mud flats, and recently disturbed areas (wash over areas). Additional requirements include the following:

- (1) Piping plover surveys shall be conducted during the bird's seasonal appearance along the Texas coastline from August 1 through May 1, if construction occurs during this time. The USFWS personnel, at their discretion, may survey the area for foraging and roosting plovers, in addition to the Contractor surveys, and shall be given permission to work in or near the active construction site.
- (2) Because piping plovers exhibit diurnal shifts in habitat use, observations shall be conducted from 30 minutes after sunrise to 30 minutes before sunset over a wide range of tidal conditions and habitat types. The protocol for the surveys, including the location and timing, the type of data to be collected, and the reporting procedures, shall be established during the instruction period prior to start of construction.
- (3) Surveys need not be conducted during poor weather conditions, including winds greater than 25 miles per hour, heavy rain, or severe cold) because the birds generally seek protected areas at this time.

3.3.3 Notification. As part of the protocol to be developed during the initial instruction period, the personnel monitoring the plovers shall develop procedures for notifying the Corpus Christi USFWS Field Office at (361) 994-9005 and the USACE project inspector (361) 884-3385 if construction activities result in the direct take including, killing, harming, or maiming of piping plovers. The protocol shall include methodology for handling dead piping plovers found during the surveying program. The methodology shall include a determination of the cause of death, if possible, and ensuring that all banding data are recorded.

3.3.4. Dredged Material or other sediments resulting from construction shall not be placed within 1,000 feet of Newport Pass, unless it is in a designated Placement Area for this project, to reduce impacts to piping plover habitat and to maximize over wash areas preferred by piping plovers for roosting in the vicinity of the Channel.

- - o O o - -